United States Environmental Protection Agency

Center for Environmental Research Information Cincinnati, OH 45268

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United States Environmental Pro Agency

> Center for Equipmental Research Information

Technology Transfer

WORKSHOP on Quality Assurance Quality Control (QA/QC) Procedures for **Hazardous Waste** Incineration

August 9-10, 1989 San Francisco, CA

August 14-15, 1989 Kansas City, MO

August 17-18,1989 Atlanta, GA

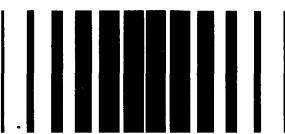
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EPA QA/QC Workshop c/o Trisha Hasch Eastern Research Group, Inc. 6 Whittemore Street Arlington, MA 02174

Place Postage Here





These workshops are sponsored by the Center for Environmental Research Information, Cincinnati, OH.

Background and Purpose

The workshops are being presented to introduce the "Handbook on QA/QC Procedures for Hazardous Waste Incineration" being developed for EPA by one of its contractors. The primary audience for the handbook and subsequently the workshops is EPA RCRA permit writers and permit applicants for hazardous waste incinerators. Additionally, however, the workshop potentially will have a diverse audience -- engineers, chemists, environmental scientists, plant managers, and EPA staff of all levels. The workshops on QA/QC Procedures for Hazardous Waste Incineration will involve explanations of, and exercises in. process monitoring, sampling, and analytical activities, after first defining the Data Quality Objectives (DQOs) needed for testing and sampling hazardous waste incinerators, including procedures during the trial burns. QA/QC procedures shall be defined for those pollutants normally associated with emissions from an incinerator, such as POHCs, PICs, metals, particulates, dioxins, furans, acid gases, and combustion gases.

Workshop Registration

There is no fee for workshop registration. To register, complete the registration blank on the back of this announcement indicating the workshop(s) you wish to attend and return to the address shown. For further information on the workshops contact Trisha Hasch (617) 648-7811.

Hotel Accommodations

A block of rooms has been reserved at the hotel listed below. and will be issued on a first-come, first-served basis. The reserved rooms will be held until the cut-off date, which is 3 weeks prior to the start of each workshop. Room reservations are to be made directly by you with the hotel. Reference the "EPA Workshop" to receive the special workshop rate.

Double: \$100.00

Seminar Dates and Locations

August 9-10, 1989 Cathedral Hill Hotel Van Ness and Geary San Francisco, CA 94109-6986 (415) 776-8200 Govt. and Non-Govt. Rates

August 14-15, 1989 The Adam's Mark 9103 E. 39th Street Kansas City, MO 64133 (816) 737-0200 Govt, and Non-Govt, Rates

Single: \$78.00

Single: \$54.00 Double: \$67.00 August 17-18, 1989

Hyatt Regency in Peachtree Center 265 Peachtree Street, NE Atlanta, GA 30301 (404) 577-1234

Govt. and Non-Govt. Rates

Single: \$64.00 Double: \$84.00

Workshop Agenda

Day One

12:00 Noon Registration/Check-In

1:00 p.m. Welcome - USEPA

1:15 p.m. Overview

Larry Johnson, USEPA

Relationship between QA/QC and

Data Validity

Necessity of QA/QC

1:45 p.m.

Regional Overview Regional Representative Pitfalls to Avoid

Examples of QA/QC Plan

State Overview State Representative Pitfalls to Avoid Examples of QA/QC Plan

Questions/discussion

Break 2:30 p.m.

Introduction/Overview 2:45 p.m.

Andrew Trenholm and Thomas Dux.

Midwest Research Institute

Purpose of QA

Data Quality Objectives (DQO)

Description of Handbook

Questions/Discussion 3:45 p.m.

4:00 p.m. Adjourn

Day Two

8:30 a..m. • General Topics

Sample Handling

Calibration

 Audits Evaluation of Data

10:15 a.m. Break

10:30 a.m. • Sample Collection QA/QC

Methodology (General)

Fuel

Waste

Water

• Air

12:00 Noon Lunch

1:30 p.m.

Sample Analysis QA/QC

Instrumentation - Advantage/Disadvantage

Gases

Organic (POHC)

Combustion

 Particulates Metals

Precision and Accuracy

3:30 p.m.

Break

3:45 p.m.

Class Exercise

4:30 p.m. Questions/Discussion/Evaluation

5:00 p.m. Adiourn

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Quality å Ž

WORKSHOP

Procedures

USEPA Technology Transfer Center for Environmental Research Information Cincinnati, OH 45268	Indicate the workshop you wish to attend: San Francisco, August 9-10, 1989 Kansas City, August 14-15, 1989 Atlanta, August 17-18, 1989
Name	State Government
Tritle	Local Government
Organization	Consultant
Address	College or University
City, State, Zip Code	Federal Agency
Telephone Number	Other (Specify)